

Section 6. Accident History

Accident History ID: 1000022979

Date of Accident:	23-Jan-2012
Time Accident Began (HHMM):	1130
NAICS Code of Process Involved:	325188
NAICS Description:	All Other Basic Inorganic Chemical Manufacturing
Release Duration:	000 Hours 01 Minutes

Release Event

Gas Release:	Yes
Liquid Spill/Evaporation:	
Fire:	
Explosion:	
Uncontrolled/Runaway Reaction:	

Release Source

Storage Vessel:	
Piping:	
Process Vessel:	
Transfer Hose:	
Valve:	Yes
Pump:	
Joint:	
Other Release Source:	

Weather Conditions at the Time of Event

Wind Speed:	7.0
Units:	miles/h
Direction:	N
Temperature:	64
Atmospheric Stability Class:	C
Precipitation Present:	
Unknown Weather Conditions:	

On-Site Impacts

Employee or Contractor Deaths:	0
Public Responder Deaths:	0
Public Deaths:	0
Employee or Contractor Injuries:	1
Public Responder Injuries:	0
Public Injuries:	0
On-Site Property Damage (\$):	0

Known Off-Site Impacts

Deaths:	0
Hospitalization:	0
Other Medical Treatments:	0
Evacuated:	0

Sheltered-in-Place:	0
Off-Site Property Damage (\$):	0

Environmental Damage

Fish or Animal Kills:
Tree, Lawn, Shrub, or Crop Damage:
Water Contamination:
Soil Contamination:
Other Environmental Damage:

Initiating Event

Initiating Event:	Human Error
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Contributing Factors

Equipment Failure:	
Human Error:	
Improper Procedures:	Yes
Overpressurization:	
Upset Condition:	
By-Pass Condition:	
Maintenance Activity/Inactivity:	
Process Design Failure:	
Unsuitable Equipment:	
Unusual Weather Condition:	
Management Error:	
Other Contributing Factor:	

Off-Site Responders Notified

Off-Site Responders Notified:	No, not notified
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Changes Introduced as a Result of the Accident

Improved or Upgraded Equipment:	
Revised Maintenance:	Yes
Revised Training:	
Revised Operating Procedures:	
New Process Controls:	
New Mitigation Systems:	
Revised Emergency Response Plan:	
Changed Process:	
Reduced Inventory:	
None:	
Other Changes Introduced:	

Confidential Business Information

CBI Claimed:

Chemicals in Accident History

Accident Chemical ID:	1000017810
Quantity Released (lbs):	1
Percent Weight:	100.0
Chemical Name:	Hydrogen fluoride/Hydrofluoric acid (conc 50% or greater) [Hydrofluoric acid]
CAS Number:	7664-39-3
Flammable/Toxic:	Toxic

Accident History ID: 1000019577

Date of Accident:	25-Jan-2007
Time Accident Began (HHMM):	1145
NAICS Code of Process Involved:	325188
NAICS Description:	All Other Basic Inorganic Chemical Manufacturing
Release Duration:	000 Hours 27 Minutes

Release Event

Gas Release:	Yes
Liquid Spill/Evaporation:	
Fire:	
Explosion:	
Uncontrolled/Runaway Reaction:	

Release Source

Storage Vessel:	
Piping:	
Process Vessel:	
Transfer Hose:	
Valve:	
Pump:	
Joint:	
Other Release Source:	Exhaust Stack

Weather Conditions at the Time of Event

Wind Speed:	5.0
Units:	miles/h
Direction:	N
Temperature:	56
Atmospheric Stability Class:	C
Precipitation Present:	
Unknown Weather Conditions:	

On-Site Impacts

Employee or Contractor Deaths:	0
Public Responder Deaths:	0
Public Deaths:	0
Employee or Contractor Injuries:	0
Public Responder Injuries:	0
Public Injuries:	1
On-Site Property Damage (\$):	0

Known Off-Site Impacts

Deaths:	0
Hospitalization:	0
Other Medical Treatments:	1
Evacuated:	0
Sheltered-in-Place:	6500
Off-Site Property Damage (\$):	4800

Environmental Damage

Fish or Animal Kills:
Tree, Lawn, Shrub, or Crop Damage:
Water Contamination:
Soil Contamination:
Other Environmental Damage:

Initiating Event

Initiating Event:	Equipment Failure
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Contributing Factors

Equipment Failure:	
Human Error:	
Improper Procedures:	
Overpressurization:	
Upset Condition:	
By-Pass Condition:	
Maintenance Activity/Inactivity:	
Process Design Failure:	Yes
Unsuitable Equipment:	
Unusual Weather Condition:	
Management Error:	
Other Contributing Factor:	

Off-Site Responders Notified

Off-Site Responders Notified:	Notified Only
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Changes Introduced as a Result of the Accident

Improved or Upgraded Equipment:	Yes
Revised Maintenance:	
Revised Training:	
Revised Operating Procedures:	Yes
New Process Controls:	Yes
New Mitigation Systems:	
Revised Emergency Response Plan:	Yes
Changed Process:	
Reduced Inventory:	
None:	
Other Changes Introduced:	

Confidential Business Information

CBI Claimed:

Chemicals in Accident History

Accident Chemical ID:	1000015348
Quantity Released (lbs):	325
Percent Weight:	100.0
Chemical Name:	Oleum (Fuming Sulfuric acid) [Sulfuric acid, mixture with sulfur trioxide]
CAS Number:	8014-95-7
Flammable/Toxic:	Toxic

Accident History ID: 1000019596

Date of Accident:	23-Mar-2011
Time Accident Began (HHMM):	1100
NAICS Code of Process Involved:	32532
NAICS Description:	Pesticide and Other Agricultural Chemical Manufacturing
Release Duration:	000 Hours 01 Minutes

Release Event

Gas Release:	
Liquid Spill/Evaporation:	Yes
Fire:	
Explosion:	
Uncontrolled/Runaway Reaction:	

Release Source

Storage Vessel:	
Piping:	
Process Vessel:	
Transfer Hose:	
Valve:	
Pump:	
Joint:	
Other Release Source:	Flexible Tubing Connected to reactor level transmitter

Weather Conditions at the Time of Event

Wind Speed:	10.0
Units:	miles/h
Direction:	SW
Temperature:	76
Atmospheric Stability Class:	C
Precipitation Present:	
Unknown Weather Conditions:	

On-Site Impacts

Employee or Contractor Deaths:	0
Public Responder Deaths:	0
Public Deaths:	0
Employee or Contractor Injuries:	1
Public Responder Injuries:	0
Public Injuries:	0
On-Site Property Damage (\$):	0

Known Off-Site Impacts

Deaths:	0
Hospitalization:	0
Other Medical Treatments:	0
Evacuated:	0
Sheltered-in-Place:	0
Off-Site Property Damage (\$):	0

Environmental Damage

Fish or Animal Kills:
Tree, Lawn, Shrub, or Crop Damage:
Water Contamination:
Soil Contamination:
Other Environmental Damage:

Initiating Event

Initiating Event: Equipment Failure

Contributing Factors

Equipment Failure: Yes
Human Error:
Improper Procedures:
Overpressurization:
Upset Condition:
By-Pass Condition:
Maintenance Activity/Inactivity:
Process Design Failure:
Unsuitable Equipment:
Unusual Weather Condition:
Management Error:
Other Contributing Factor:

Off-Site Responders Notified

Off-Site Responders Notified: No, not notified

Changes Introduced as a Result of the Accident

Improved or Upgraded Equipment:
Revised Maintenance: Yes
Revised Training: Yes
Revised Operating Procedures: Yes

New Process Controls:
New Mitigation Systems:
Revised Emergency Response Plan:
Changed Process:
Reduced Inventory:
None:
Other Changes Introduced:

Confidential Business Information

CBI Claimed:

Chemicals in Accident History

Accident Chemical ID:	1000015368
Quantity Released (lbs):	1
Percent Weight:	6.0
Chemical Name:	Chlorine
CAS Number:	7782-50-5
Flammable/Toxic:	Toxic